



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPLK70R1K4P7	Issued	21. July 2021
MA#	MA005560824		
Package	PG-TDSON-8-52	Weight*	93.75 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	0.908	0.97	0.97	9685	9685
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		138	
	non noble metal	iron	7439-89-6	0.043	0.05		462	
	non noble metal	copper	7440-50-8	43.219	46.09	46.15	460987	461587
wire	non noble metal	copper	7440-50-8	0.368	0.39	0.39	3928	3928
encapsulation	inorganic material	zinc oxide	1314-13-2	0.463	0.49		4939	
	miscellaneous	miscellaneous	-	1.852	1.98		19758	
	plastics	epoxy resin	-	6.946	7.41		74092	
	inorganic material	silicon dioxide	60676-86-0	37.048	39.52	49.40	395159	493948
lead finish	non noble metal	tin	7440-31-5	1.319	1.41	1.41	14068	14068
plating	noble metal	silver	7440-22-4	0.217	0.23	0.23	2313	2313
solder	non noble metal	tin	7440-31-5	0.027	0.03		289	
	noble metal	silver	7440-22-4	0.034	0.04		362	
	non noble metal	lead	7439-92-1	1.296	1.38	1.45	13820	14471
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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